

APPENDIX 1

WATER QUALITY SAMPLING DATA

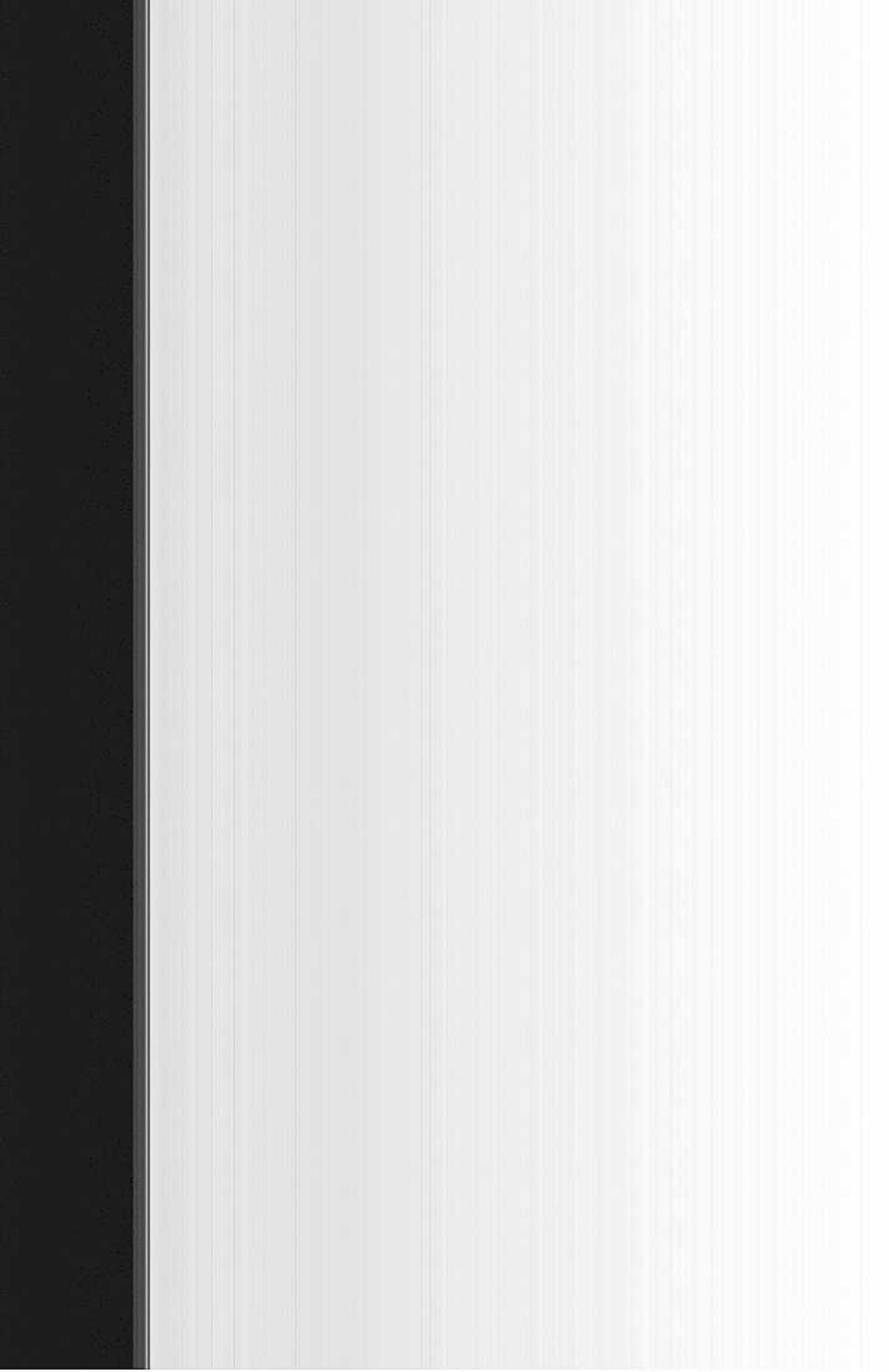
FROM THE

ST. REGIS RIVER TMDL AREA

AND THE

UPPER LOLO CREEK TMDL AREA,

MAY 2003 TO SEPTEMBER 2004





|       |  |  | 9/21/2004   | 3 | <10   |
|-------|--|--|---|---|---|
| MDT-3 | Saint Regis River at I-90 MP 6.4.<br>Sample location is the Dominion Creek road bridge across St. Regis River. Take Taft exit. | 7/1/2003<br>7/31/2003<br>8/27/2003<br>9/24/2003<br>10/17/2003<br>11/21/2003<br>12/23/2003<br>1/14/2004<br>2/10/2004<br>3/15/2004<br>4/13/2004<br>5/11/2004<br>6/22/2004<br>7/15/2004<br>8/17/2004<br>9/21/2004 | 2<br>3<br>2<br>3<br>5<br>11<br>12<br>13<br>15<br>29<br>4<br>3<br>4<br>4<br>4<br>4 |   | <10<br><10<br><10<br><10<br><10<br><10<br><10<br><10<br><10<br><10<br><10<br><10<br><10<br><10<br><10 |
|       | Summer 2003 Chloride Low Point = 2 mg/l  |  |   |   |   |
|       | Summer 2004 Chloride Low Point = 3 mg/l  |  |   |   |   |
|       | Jul-Aug-Sept 2003 Average = 2.50 mg/l  |  |   |   |   |
|       | Jul-Aug-Sept 2004 Average = 4.00 mg/l  |  |   |   |   |
|       | July 2003 - July 2004 Average = 8.1 mg/l   |  |   |   |   |

|           |   |     |
|-----------|---|-----|
| 6/22/2004 | 3 | <10 |
| 7/15/2004 | 3 | <10 |
| 8/17/2004 | 5 | <10 |
| 9/21/2004 | 4 | <10 |

|       |  |            |     |     |
|-------|--|------------|-----|-----|
| MDT-6 | Saint Regis River at I-90 MP 12.4.<br>Sample location is the riverbank closest to<br>the west end of the concrete barrier along<br>the median. | 7/1/2003   | 2   | <10 |
|       |  | 7/31/2003  | 3   | <10 |
|       |  | 8/27/2003  | 2   | <10 |
|       |  | 9/24/2003  | 3   | <10 |
|       |  | 10/17/2003 | 4   | <10 |
|       | Summer 2003 Chloride Low Point = 2 mg/l  | 11/21/2003 | (a) | (a) |
|       | Summer 2004 Chloride Low Point = 2 mg/l  | 12/23/2003 | 7   | <10 |
|       |  | 1/14/2004  | 9   | <10 |
|       | Jul-Aug-Sept 2003 Average = 2.50 mg/l  | 2/10/2004  | 9   | <10 |
|       | Jul-Aug-Sept 2004 Average = 2.67 mg/l  | 3/15/2004  | 16  | <10 |
|       |  | 4/13/2004  | 2   | <10 |
|       | July 2003 - July 2004 Average = 4.8 mg/l   | 5/11/2004  | 2   | <10 |
|       |  | 6/22/2004  | 3   | <10 |
|       |  | 7/15/2004  | 3   | <10 |
|       |  | 8/17/2004  | 3   | <10 |
|       |  | 9/21/2004  | 2   | <10 |

|           |    |     |
|-----------|----|-----|
| 6/22/2004 | 3  | <10 |
| 7/15/2004 | 2  | <10 |
| 8/17/2004 | 2  | <10 |
| 9/21/2004 | <1 | <10 |

|       |  |            |   |     |
|-------|--|------------|---|-----|
| MDT-9 | St. Regis River beneath I-90 westbound lanes at MP 29.2. (Take "Fishing Access" exit off the westbound lanes.) | 7/1/2003   | 1 | <10 |
|       |  | 7/31/2003  | 2 | <10 |
|       |  | 8/27/2003  | 1 | <10 |
|       |  | 9/24/2003  | 2 | <10 |
|       |  | 10/17/2003 | 3 | <10 |
|       | Summer 2003 Chloride Low Point = 1 mg/l  | 11/21/2003 | 4 | <10 |
|       | Summer 2004 Chloride Low Point = 1 mg/l  | 12/23/2003 | 4 | <10 |
|       |  | 1/14/2004  | 7 | <10 |
|       | Jul-Aug-Sept 2003 Average = 1.50 mg/l  | 2/10/2004  | 6 | <10 |
|       | Jul-Aug-Sept 2004 Average = 2.67 mg/l  | 3/15/2004  | 7 | <10 |
|       |  | 4/13/2004  | 2 | <10 |
|       | July 2003 - July 2004 Average = 3.3 mg/l   | 5/11/2004  | 3 | <10 |
|       |  | 6/22/2004  | 1 | <10 |
|       |  | 7/15/2004  | 2 | <10 |
|       |  | 8/17/2004  | 4 | <10 |
|       |  | 9/21/2004  | 2 | <10 |

|            |     |     |
|------------|-----|-----|
| 7/15/2004  | <1  | <10 |
| 8/17/2004  | 2   | <10 |
| 9/21/2004  | 2   | <10 |
|            |     |     |
| 7/1/2003   | <1  | <10 |
| 7/31/2003  | <1  | <10 |
| 8/27/2003  | <1  | <10 |
| 9/24/2003  | <1  | <10 |
| 10/17/2003 |     | <10 |
| 11/21/2003 | (a) | (a) |
| 12/23/2003 | (a) | (a) |
| 1/14/2004  | (a) | (a) |
| 2/10/2004  | (a) | (a) |
| 3/15/2004  | (a) | (a) |
| 4/13/2004  | (a) | (a) |
| 5/11/2004  | <1  | <10 |
| 6/22/2004  | 2   | <10 |
| 7/15/2004  | <1  | <10 |
| 8/17/2004  | 2   | <10 |
| 9/21/2004  | <1  | <10 |

|        |   |            |     |     |
|--------|---|------------|-----|-----|
| MDT-12 | Dominion Creek. Sample location is 0.5 miles south of I-90 (MP-6.4) on Dominion Creek road. (Access is the I-90 Taft exit.) | 7/1/2003   | <1  | <10 |
|        |   | 7/31/2003  | <1  | <10 |
|        |   | 8/27/2003  | <1  | <10 |
|        |   | 9/24/2003  | <1  | <10 |
|        |   | 10/17/2003 |     | <10 |
|        | Summer 2003 Chloride Low Point = <1 mg/l  | 11/21/2003 | (a) | (a) |
|        | Summer 2004 Chloride Low Point = <1 mg/l  | 12/23/2003 | (a) | (a) |
|        | Jul-Aug-Sept 2003 Average = 0.00 mg/l *   | 1/14/2004  | (a) | (a) |
|        | Jul-Aug-Sept 2004 Average = 0.67 mg/l *   | 2/10/2004  | (a) | (a) |
|        | July 2003 - July 2004 Average = <1 mg/l   | 3/15/2004  | (a) | (a) |
|        |   | 4/13/2004  | (a) | (a) |
|        |   | 5/11/2004  | <1  | <10 |
|        |   | 6/22/2004  | 2   | <10 |
|        |   | 7/15/2004  | <1  | <10 |
|        |   | 8/17/2004  | 2   | <10 |
|        |   | 9/21/2004  | <1  | <10 |

Notes:

(a) Sample not collected because of difficult or unsafe access to sample site  
 (\*) Assumes <1 value equals zero

Tributary sample: not on St. Regis River

High chloride content and date for this sample location

|       |   |            |     |     |     |
|-------|---|------------|-----|-----|-----|
|       | Jul-Aug-Sept 2003 Average = 1.25 mg/l   | 11/20/2003 |     |     |     |
|       | Jul-Aug-Sept 2004 Average = 2.00 mg/l   | 12/22/2003 |     |     |     |
|       | July 2003 - July 2004 average = 3.0 mg/l  | 1/14/2004  |     |     |     |
|       |   | 2/11/2004  |     |     |     |
|       |   | 3/16/2004  |     |     |     |
|       |   | 4/14/2004  | 2   |     |     |
|       |   | 5/13/2004  | 2   |     |     |
|       |   | 6/23/2004  | 1   |     |     |
|       |   | 7/15/2004  | 1   |     |     |
|       |   | 8/17/2004  | 3   |     |     |
|       |   | 9/22/2004  | 2   |     |     |
| MDT-3 | Granite Creek, approx. 1.3 miles up<br>Fish Cr. Road from Hwy 12 intersection<br>(milepost 6.7) | 5/29/2003  | <1  | <10 | 3   |
|       |   | 7/2/2003   | <1  | <10 | 6   |
|       |   | 7/30/2003  | 1   | <10 | 4   |
|       |   | 8/26/2003  | <1  | <10 | 6   |
|       | Summer 2003 Chloride Low Point = <1   | 9/23/2003  | <1  | <10 | 5   |
|       | Summer 2004 Chloride Low Point = <1   | 10/16/2003 | 2   | <10 | 3   |
|       | Jul-Aug-Sept 2003 Average = 0.25 mg/l   | 11/20/2003 | <1  | <10 | 5   |
|       | Jul-Aug-Sept 2004 Average = 0.33 mg/l *   | 12/22/2003 | <1  | <10 | 5   |
|       | July 2003 - July 2004 average = <1 mg/l   | 1/14/2004  | (a) | (a) | (a) |
|       |   | 2/11/2004  | (a) | (a) | (a) |
|       |   | 3/16/2004  | (a) | (a) | (a) |
|       |   | 4/14/2004  | <1  | <10 | 4   |
|       |   | 5/13/2004  | 2   | <10 | 2   |
|       |   | 6/23/2004  | 2   | <10 | 2   |
|       |   | 7/15/2004  | <1  | <10 | 2   |
|       |   | 8/17/2004  | 1   | <10 | 2   |
|       |   | 9/22/2004  | <1  | <10 | 2   |

July 2003 - July 2004 average = <1 mg/l

|           |    |     |
|-----------|----|-----|
| 2/11/2004 | <1 | <10 |
| 3/16/2004 | <1 | <10 |
| 4/14/2004 | 2  | 13  |
| 5/13/2004 | <1 | <10 |
| 6/23/2004 | 1  | <10 |
| 7/15/2004 | <1 | <10 |
| 8/17/2004 | 1  | <10 |
| 9/22/2004 | <1 | <10 |

|       |  |            |   |     |
|-------|--|------------|---|-----|
| MDT-6 | West Fork Lolo Creek above Lee Cr.<br>confluence at milepost 5.7 | 5/29/2003  | 2 | <10 |
|       |  | 7/2/2003   | 2 | <10 |
|       |  | 7/30/2003  | 2 | <10 |
|       | Summer 2003 Chloride Low Point = 2                               | 8/26/2003  | 4 | <10 |
|       | Summer 2004 Chloride Low Point = 3                               | 9/23/2003  | 4 | <10 |
|       |  | 10/16/2003 | 4 | <10 |
|       | Jul-Aug-Sept 2003 Average = 3.00 mg/l                            | 11/20/2003 | 3 | <10 |
|       | Jul-Aug-Sept 2004 Average = 5.67 mg/l                            | 12/22/2003 | 6 | <10 |
|       |  | 1/14/2004  | 2 | <10 |
|       | July 2003 - July 2004 average = 3.9 mg/l                         | 2/11/2004  | 3 | <10 |
|       |  | 3/16/2004  | 8 | <10 |
|       |  | 4/14/2004  | 4 | <10 |
|       |  | 5/13/2004  | 3 | <10 |
|       |  | 6/23/2004  | 4 | <10 |
|       |  | 7/15/2004  | 4 | <10 |
|       |  | 8/17/2004  | 4 | <10 |
|       |  | 9/22/2004  | 9 | <10 |

|       |  |            |    |     |   |
|-------|--|------------|----|-----|---|
| MDT-7 | West Fork Lolo Creek at Hwy 12<br>milepost 4.3 at forest road bridge           | 5/29/2003  | 2  | <10 | 3 |
|       |  | 7/2/2003   | 2  | <10 | 5 |
|       |  | 7/30/2003  | 3  | <10 | 3 |
|       | Summer 2003 Chloride Low Point = 2   | 8/26/2003  | 3  | <10 | 6 |
|       | Summer 2004 Chloride Low Point = 4   | 9/23/2003  | 4  | <10 | 3 |
|       |  | 10/16/2003 | 5  | <10 | 3 |
|       | Jul-Aug-Sept 2003 Average = 3.00 mg/l  | 11/20/2003 | 6  | <10 | 3 |
|       | Jul-Aug-Sept 2004 Average = 4.33 mg/l  | 12/22/2003 | 6  | <10 | 6 |
|       |  | 1/14/2004  | 7  | <10 | 4 |
|       | July 2003 - July 2004 average = 5.6 mg/l                                       | 2/11/2004  | 6  | <10 | 5 |
|       |  | 3/16/2004  | 17 | <10 | 3 |
|       |  | 4/14/2004  | 4  | <10 | 4 |
|       |  | 5/13/2004  | 4  | <10 | 4 |
|       |  | 6/23/2004  | 4  | <10 | 3 |
|       |  | 7/15/2004  | 4  | <10 | 3 |
|       |  | 8/17/2004  | 5  | <10 | 5 |
|       |  | 9/22/2004  | 4  | <10 | 5 |
| MDT-8 | West Fork Lolo Creek at Hwy 12<br>milepost 2.5 above box culvert               | 5/29/2003  | 1  | <10 | 2 |
|       |  | 7/2/2003   | 1  | <10 | 6 |
|       |  | 7/30/2003  | <1 | <10 | 3 |
|       | Summer 2003 Chloride Low Point = <1  | 8/26/2003  | <1 | <10 | 4 |
|       | Summer 2004 Chloride Low Point = 3   | 9/23/2003  | 4  | <10 | 5 |
|       |  | 10/16/2003 | 5  | <10 | 3 |
|       | Jul-Aug-Sept 2003 Average = 1.25 mg/l  | 11/20/2003 | 5  | <10 | 3 |
|       | Jul-Aug-Sept 2004 Average = 3.33 mg/l  | 12/22/2003 | 6  | <10 | 6 |
|       |  | 1/14/2004  | 5  | <10 | 4 |
|       | July 2003 - July 2004 average = 4.8 mg/l                                       | 2/11/2004  | 6  | <10 | 6 |
|       |  | 3/16/2004  | 17 | <10 | 3 |
|       |  | 4/14/2004  | 5  | <10 | 5 |
|       |  | 5/13/2004  | 4  | <10 | 3 |
|       |  | 6/23/2004  | 3  | <10 | 3 |
|       |  | 7/15/2004  | 3  | <10 | 2 |
|       |  | 8/17/2004  | 3  | <10 | 4 |
|       |  | 9/22/2004  | 4  | <10 | 4 |
| MDT-9 | West Fork Lolo Creek at approximate<br>milepost 1.1 at base of high fill slope | 5/29/2003  | 2  | 16  | 2 |
|       |  | 7/2/2003   | 1  | <10 | 6 |
|       |  | 7/30/2003  | 3  | <10 | 3 |
|       | Summer 2003 Chloride Low Point = 1   | 8/26/2003  | 5  | <10 | 4 |
|       | Summer 2004 Chloride Low Point = 4   | 9/23/2003  | 4  | <10 | 5 |
|       |  | 10/16/2003 | 6  | <10 | 4 |
|       | Jul-Aug-Sept 2003 Average = 3.25 mg/l  | 11/20/2003 | 9  | <10 | 6 |
|       | Jul-Aug-Sept 2004 Average = 4.00 mg/l  | 12/22/2003 | 5  | <10 | 6 |
|       |  | 1/14/2004  | 6  | <10 | 5 |
|       | July 2003 - July 2004 average = 5.2 mg/l                                       | 2/11/2004  | 4  | <10 | 5 |
|       |  | 3/16/2004  | 10 | <10 | 4 |
|       |  | 4/14/2004  | 3  | <10 | 4 |
|       |  | 5/13/2004  | 4  | <10 | 4 |
|       |  | 6/23/2004  | 4  | <10 | 3 |
|       |  | 7/15/2004  | 4  | <10 | 2 |
|       |  | 8/17/2004  | 4  | <10 | 5 |
|       |  | 9/22/2004  | 4  | <10 | 5 |

Notes: [redacted] "Background" sample (tributary creek)

[redacted] High chloride content and date for this sample location

(a) No sample collected due to difficult or unsafe access

(b) No sample collected: access denied due to forest fire activity

Averages: When averaging chloride levels, "<1 mg/l" is assumed to be zero.